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Type: **Oral Presentation**

## The neutron superfluid in the interior of neutron stars.

*Thursday, 14 July 2011 09:00 (15 minutes)*

In his work on superfluid helium, Feynman gave both qualitative and quantitative descriptions of the excitation spectrum of superfluid helium. I briefly review Feynman's approach to superfluid helium and assess the applicability of this theory to neutron star interiors.

**Level (Hons, MSc, &nbsp; PhD, other)?**

M.Sc.

**Consider for a student &nbsp; award (Yes / No)?**

Yes

**Would you like to <br> submit a short paper <br> for the Conference <br> Proceedings (Yes / No)?**

Yes

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**Session Classification:** APSS

**Track Classification:** Track D1 - Astrophysics